

**Master of Science in Clinical Optometry with an Advanced Studies Certificate Degree Program Course of Study
2019-2020**

| Module | Course Title | Semester Credits | Grade Type | Quarter |
|----------------------------------------------------------|--------------------------------------------------------------------|-------------------------|-------------------|---------------------|
| Module 4: Research Design and Applications | Epidemiology, Biostatistics, Research and Design | 1.00 | A-F | Fall 2019 Session 2 |
| Module 1: Foundations of Basic Science | Molecular and Cellular Processes | 0.50 | A-F | Fall 2019 Session 2 |
| Module 1: Foundations of Basic Science | Ocular Anatomy and Physiology | 0.50 | A-F | Fall 2019 Session 2 |
| Module 2: Optometric Applications and Ophthalmic Disease | Contact Lens Applications | 0.50 | A-F | Fall 2019 Session 2 |
| Module 2: Optometric Applications and Ophthalmic Disease | Concepts of Cataracts, Low Vision and Geriatric Care | 0.50 | A-F | Fall 2019 Session 2 |
| Module 4: Research Design and Applications | Evidence-Based Practice | 1.00 | A-F | Winter 2019-2020 |
| Module 1: Foundations of Basic Science | Human Anatomy and Neuroscience | 1.00 | A-F | Winter 2019-2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Optic Nerve Disorders | 0.50 | A-F | Winter 2019-2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Pediatrics and the Study of Normal and Abnormal Binocular Function | 1.00 | A-F | Winter 2019-2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Pre and Post Refractive Surgery | 0.50 | A-F | Winter 2019-2020 |
| Module 3: Practice of Optometric Medicine | Clinical Procedures Laboratory | 1.50 | P-F | Winter 2019-2020 |
| Module 4: Research Design and Applications | Scholarly Project - Part 1 | 2.50 | H-P-F | Winter 2019-2020 |
| Module 1: Foundations of Basic Science | General Physiology, Pathology and Pathophysiology 1 | 1.00 | A-F | Winter 2019-2020 |
| Advanced Studies | Advanced Studies Part 1 | 1.00 | P-F | Spring 2020 |
| Module 1: Foundations of Basic Science | Principles and Applications of Pharmacology | 1.00 | A-F | Spring 2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Ocular Biology and Anterior Segment Disease | 1.00 | A-F | Spring 2020 |
| Module 1: Foundations of Basic Science | Microbiology and Immunology | 0.50 | A-F | Spring 2020 |
| Module 1: Foundations of Basic Science | General Physiology, Pathology and Pathophysiology 2 | 0.50 | A-F | Spring 2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Clinical Medicine and Disease Manifestations | 1.00 | A-F | Spring 2020 |
| Advanced Studies | Advanced Studies Part 2 | 1.00 | P-F | Spring 2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Posterior Segment Disease | 0.50 | A-F | Spring 2020 |
| Module 4: Research Design and Applications | Scholarly Project - Part 2 | 2.50 | H-P-F | Spring 2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | The Study of Glaucoma | 0.50 | A-F | Summer 2020 |
| Advanced Studies | Advanced Studies Part 3 | 1.50 | P-F | Summer 2020 |
| Module 3: Practice of Optometric Medicine | Controlled Patient Care Session 1 | 2.00 | H-P-F | Summer 2020 |
| Module 2: Optometric Applications and Ophthalmic Disease | Case Presentations and Panel Discussion | 0.50 | A-F | Summer 2020 |
| Module 3: Practice of Optometric Medicine | Clinical Case Studies 1 | 3.00 | A-F | Summer 2020 |
| Module 4: Research Design and Applications | Culminating Scholarly Project 3 | 2.50 | H-P-F | Summer 2020 |
| Advanced Studies | Advanced Studies Part 4 | 1.50 | H-P-F | Summer 2020 |
| Module 3: Practice of Optometric Medicine | Clinical Case Studies 2 | 2.00 | A-F | Fall 2020-Session 1 |
| Module 3: Practice of Optometric Medicine | Controlled Patient Care Session 2 | 2.50 | H-P-F | Fall 2020-Session 1 |
| Module 2: Optometric Applications and Ophthalmic Disease | Environmental Optometry | 0.50 | A-F | Fall 2020-Session 1 |
| Module 2: Optometric Applications and Ophthalmic Disease | Practice Management and Professional Development | 0.50 | A-F | Fall 2020-Session 1 |
| Total Program Credits | | 38.00 | | |